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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/090,557

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Hawley K. Rising III

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EXAMINER

HOSSAIN, FARZANA E

ART UNIT

PAPER NUMBER

2623

MAIL DATE

DELIVERY MODE

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PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/090,557

Applicant(s)

RISING, HAWLEY K.

Examiner

Farzana E. Hossain

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 11 May 2007.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-28 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-28 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on 01 March 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
- ☐ Certified copies of the priority documents have been received.
 - ☐ Certified copies of the priority documents have been received in Application No. _____.
 - ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Response to Amendment

1. This office action is in response to communications filed 05/11/2007. Claims 1-28 are pending. Claims 1, 8, 11-21 and 26 are amended. Claims 2-7, 9, 10, 22-25, 27 and 28 are original.

Response to Arguments

2. Applicant's arguments filed 05/11/2007 have been fully considered but they are not persuasive.

Regarding Claims 1 and 11, the applicant argues that the examiner is equating Sezan's program description scheme with content description and program profile with occurrence description scheme (Pages 7-8). The applicant further argues that Sezan does not include values for descriptors that describe features of the content at a location where a semantic entity occurs in the content (Page 8).

In response to the argument, Sezan discloses a content description with occurrence description scheme or program profiles including character and object profiles which include at a location or frame ids of the occurrences of semantic entities which include descriptors such as object profile with object name or character profile

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with character name and values for descriptors that describe features of the content at the location (Page 3, paragraph 0042, Page 9, paragraphs 0083-0125).

Claims 2-7 and 12-17 depend on Claims 1 and 11. See arguments above.

3. Applicant's arguments with respect to claims 8-10, 18-20, 21-28 have been considered but are moot in view of the new ground(s) of rejection.

Regarding Claims 8, 10, 18, 20, 26, 28, the applicant argues that Cobbley does not have an equivalent to Applicant's content description and occurrence description scheme (Page 8). The applicant further argues that Cobbley does not even suggest semantic entities occur in the content or occurrence description scheme comprising values for descriptors that describe features of the content at a location where a semantic entity occurs in the content (Page 8).

Cobbley disclose creating content description with indexing information (Column 3, lines 43-45), the content description comprising an occurrence description scheme describing subject matter of the program segments which (Column 11, lines 6-50). Sezan discloses Sezan discloses a content description with occurrence description scheme or program profiles including character and object profiles which include a location or frame ids of the occurrences of semantic entities which include descriptors such as object profile with object name or character profile with character name and values for descriptors that describe features of the content at the location (Page 3, paragraph 0042, Page 9, paragraphs 0083-0125). See above arguments. See new rejection.

4. Applicant's arguments filed 05/11/2007 have been fully considered but they are not persuasive.

Regarding Claims 9, 19, 21-25 and 27, applicant argues that neither Cobbley nor Sezan teach or suggest an occurrence description scheme.

In response to the argument, the examiner respectfully disagrees. See arguments above.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

6. Claims 1-7, 11-17 are rejected under 35 U.S.C. 102(e) as being anticipated by Sezan et al (US 2005/0091685 and hereafter referred to as "Sezan").

Regarding Claims 1 and 11, Sezan discloses a computerized method and a processor to perform a method (Page 3, paragraph 0042, Page 5, paragraph 0051) comprising: receiving a content description for multimedia content, the content description comprising an occurrence description scheme describing an occurrence of a

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semantic entity at a location in the content or at a key frame or highlight or frame and extracting the occurrence description scheme from the content description (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203, Pages 10-12, paragraphs 0083-0125), the occurrence description scheme comprising values for descriptors that describe features of the content at the location or occurrence id including duration, location motion of profiles including character and object profiles (Page 3, paragraph 0042, Pages 10-12, paragraphs 0083-0125). Sezan discloses that an intelligent agent/software agent processes and performs the functions using data from the data storage device (Page 3, paragraph 0042, Page 5, paragraphs 0051, 0053). It is necessarily included that a computer readable storage medium or a data storage device having executable instructions causes a processor or agent to perform necessary functions.

Regarding Claims 2 and 12, Sezan discloses all the limitations of Claims 1 and 11 respectively. Sezan discloses the content description further comprises a full semantic description scheme for the semantic entry (Page 3, paragraph 0042).

Regarding Claims 3 and 13, Sezan discloses all the limitations of Claims 1 and 11 respectively. Sezan discloses providing the occurrence description scheme to an application that evaluates the multimedia content (Page 3, paragraph 0042, Figure 2, 42, 52, Page 5, paragraph 0053).

Regarding Claims 4 and 14, Sezan discloses all the limitations of Claims 3 and 13 respectively. Sezan discloses wherein the application is selected from the group consisting of searching, filtering, and browsing applications (Page 5, paragraph 0053).

Regarding Claims 5 and 15, Sezan discloses all the limitations of Claims 1 and 11 respectively. Sezan discloses wherein the content description complies with the MPEG-7 standard and the occurrence description scheme is represented by a MediaOccurrence description scheme (Page 11, paragraph 0016, Character Profile, Page 12, paragraphs 0017-0019, Object Profile).

Regarding Claims 6 and 16, Sezan discloses all the limitations of Claims 1 and 11 respectively. Sezan discloses creating the content description from the occurrence description scheme (Page 3, paragraph 0042).

Regarding Claims 7 and 17, Sezan discloses all the limitations of Claims 6 and 16 respectively. Sezan discloses distributing the content description through a communications media (Figure 2, Page 5, paragraph 0060).

Claim Rejections - 35 USC § 103

7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claims 8-10, 18-20, 21-28 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cobbley et al (US 5,614,940 and hereafter referred to as "Cobbley") in view of Sezan.

Regarding Claims 8, 18 and 26, Cobbley discloses a computerized method (Column 5, lines 51-67, Column 3, lines 1-13), a computer readable storage medium having executable instructs to cause a computer to perform a method (Column 2, lines 50-65, Column 3, lines 1-13, Figure 5, Column 5, lines 51-67, Column 6, lines 16, Column 14, lines 18-35), and a system (Figure 5, Column 14, lines 14-21) comprising: a processor coupled to a bus (Figure 5, 501, 500); a memory coupled to the processor through the bus (Figure 5, 505, 504); and an encode process executed by the processor from the memory to cause the processor to create a content description for multimedia content (Column 2, lines 50-65, Column 3, lines 1-13). Cobbley is silent on the content description comprising an occurrence description scheme describing a semantic entity at a location comprising an occurrence description scheme describing an occurrence of a semantic entity in the multimedia content, the occurrence description scheme comprising values for descriptors that describe features of the content at the new location.

Sezan discloses a source of the content description (Page 5, paragraph 0050), the content description comprising an occurrence description scheme describing an occurrence of a semantic entity at a location in the content or at a key frame or highlight and extracting the occurrence description scheme from the content description (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203, Pages 10-12, paragraphs 0083-0125), the occurrence description scheme comprising values for descriptors that describe features of the content at the location or occurrence id including duration, location motion of profiles including

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character and object profiles (Page 3, paragraph 0042, Pages 10-12, paragraphs 0083-0125). Therefore, it would have been obvious at the time the invention to one of ordinary skill in the art to modify Cobbley to include an occurrence description scheme describing an occurrence of a semantic entity at a location in the content or at a key frame or highlight (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203, Pages 10-12, paragraphs 0083-0125), the occurrence description scheme comprising values for descriptors that describe features of the content at the location (Page 3, paragraph 0042, Page 9, paragraphs 0083-0125) as taught by Sezan in order to provide a user with a description of audio visual information for better browsing, filter, searching, archiving and personalization (Page 1, paragraphs 001, 0006) and to be able to search, filter and browse using a standardized method (Page 19, paragraph 0203).

Regarding Claim 21, Cobbley discloses a computerized method, a computer readable medium having executable instruction to cause a processor to perform a method, and a system comprising: a processor coupled to a bus (Figure 5, 500, 501); a memory coupled to the processor through the bus (Figure 5, 505, 504); a communications interface coupled to the processor through the bus (Figure 5, 512), and further coupled to a communications medium (Figure 5, 512, Figure 1, 135); and a process executed by the processor from the memory to cause the processor to receive, through the communications interface, a content description for multimedia content the content description comprising an occurrence description scheme describing subject matter (Column 11, lines 6-34, Figure 1, Figure 3). Cobbley is silent on a limited decode

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process executed by the processor from the memory to cause the processor to receive a content description for multimedia content, the content description comprising an occurrence description scheme describing an occurrence of a semantic entity at a location in the content, the occurrence description scheme comprising values for description that describe features of the content at the location and to extract the occurrence description scheme from the content description. Sezan discloses a limited decode process executed by the processor from the memory to cause the processor to receive, through the communications interface, a content description for multimedia content, the content description comprising an occurrence description scheme describing an occurrence of a semantic entity at a location in the content or at a key frame or highlight and extracting the occurrence description scheme from the content description (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203, Pages 10-12, paragraphs 0083-0125), the occurrence description scheme comprising values for descriptors that describe features of the content at the location or occurrence id including duration, location motion of profiles including character and object profiles (Page 3, paragraph 0042, Pages 10-12, paragraphs 0083-0125), and to extract the occurrence description scheme from the content description (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203).

Therefore, it would have been obvious at the time the invention to one of ordinary skill in the art to modify Cobbley to include an occurrence description scheme describing an occurrence of a semantic entity at a location in the content or at a key

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frame or highlight (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203, Pages 10-12, paragraphs 0083-0125), the occurrence description scheme comprising values for descriptors that describe features of the content at the location (Page 3, paragraph 0042, Page 9, paragraphs 0083-0125) and to extract the occurrence description scheme from the content description (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203) as taught by Sezan in order to provide a user with a description of audio visual information for better browsing, filter, searching, archiving and personalization (Page 1, paragraphs 001, 0006) and to be able to search, filter and browse using a standardized method (Page 19, paragraph 0203).

Regarding Claims 9, 19 and 27, Cobbley and Sezan discloses all the limitations of Claims 8, 18 and 26 respectively. Cobbley is silent on the content description complies with the MPEG-7 standard and the occurrence description is represented by a MediaOccurrence description scheme. Sezan discloses wherein the content description complies with the MPEG-7 standard and the occurrence description scheme is represented by a MediaOccurrence description scheme (Page 11, paragraph 0016, Character Profile, Page 12, paragraphs 0017-0019, Object Profile).

Regarding Claims 10, 20 and 28, Cobbley and Sezan disclose all the limitations of 8, 18 and 26 respectively. Cobbley discloses a communications interface coupled to the processor through the bus and further coupled to a communications medium (Figure 5, 512, Column 14, lines 50-55), and the encode process further causes the processor

to distribute the content description through the communications interface (Figure 5, 500, 501-503, Column 14, lines 15-45, 50-55, Figure 1, 135).

Regarding Claim 22, Cobbley and Sezan disclose all the limitations of Claim 21. Sezan discloses providing the process of providing occurrence description scheme to an application that evaluates the multimedia content (Page 3, paragraph 0042, Figure 2, 42, 52, Page 5, paragraph 0053).

Regarding Claim 23, Cobbley and Sezan disclose all the limitations of Claim 22. Sezan discloses wherein the application is selected from the group consisting of searching, filtering, and browsing applications (Page 5, paragraph 0053).

Regarding Claim 24, Cobbley and Sezan disclose all the limitations of Claim 21. Sezan discloses wherein the content description complies with the MPEG-7 standard and the occurrence description scheme is represented by a MediaOccurrence description scheme (Page 11, paragraph 0016, Character Profile, Page 12, paragraphs 0017-0019, Object Profile).

Regarding Claim 25, Cobbley and Sezan disclose all the limitations of Claim 21. Cobbley discloses a processor executing instructions from the memory to cause the processor to receiving through the communications interface, the content description for multimedia content, the content description further comprising a full semantic description scheme for the semantic entry (Column 11, lines 6-34, Figure 1, Figure 3, Figure 5). Sezan discloses a decode process executed by the processor, through the communications interface, the content description for multimedia content, the content

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description further comprising a full semantic description scheme for the semantic entry, and to extract the full semantic description scheme from the content description (Page 3, paragraph 0042, Page 4, paragraph 0049, Page 5, paragraph 0050, Page 19, paragraph 0203).

Conclusion

9. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Farzana E. Hossain whose telephone number is 571-272-5943. The examiner can normally be reached on Monday to Friday 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Christopher Kelley can be reached on 571-272-7331. The fax phone

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number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

FEH
July 16, 2007


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